Revision 5			
Perforin (E3W4I) Rabbit mAb			
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<b>1</b>	Support: 877-678-TECH (8324		
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	tivity: M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 55-75	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P10820	Entrez-Gene Io 18646		
Product Usage Information		- <b>Application</b> Western Blotting IHC Leica Bond Immunohistochemistry (Paraffin)		<b>Dilution</b> 1:1000 1:100 - 1:400				
Storage		Immunohistochemistry (Paraffin) 1:200 - 1:800 Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
		For a carrier free (BSA and azide free) version of this product see product #36810.						
Specificity/Sensitivity	,	Perforin (E3W4I) Rabbit mAb recognizes endogenous levels of total perforin protein. High expressir cells like CTLL-2 can produce several low molecular weight bands due to degradation of the protein Non-specific staining was observed in mouse salivary gland by immunohistochemistry.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln63 of mouse perforin protein.						
Background		(NK) cells and are key Granzymes are synth leader sequence. The membrane pore-form as a result of its casp. procaspases directly Perforin is a pore-for	v components of imr esized as zymogens y are released by ex- ning protein. Granzy ase-like ability to cle and cleaving downs ming protein that fa	es expressed by cytotox nune responses to path- and are processed into ocytosis in lysosome-lik me B has the strongest ave substrates at aspart tream caspase substrate cilitates the entry of cyto is primarily expressed in	ogens and transfor mature enzymes b e granules containi apoptotic activity o cic acid residues the es (2,3). otoxic serine protea	med cells (1). y cleavage of a ng perforin, a f all the granzyme: ereby activating ases, such as		
Background Referenc	ces	1. Trapani, J.A. (2001) <i>Genome Biol.</i> 2, REVIEWS 3014. 2. Lord, S.J. et al. (2003) <i>Immunol. Rev.</i> 193, 31-8. 3. Trapani, J.A. and Sutton, V.R. (2003) <i>Curr. Opin. Immunol.</i> 15, 533-43. 4. Catalfamo, M. and Henkart, P.A. (2003) <i>Curr Opin Immunol</i> 15, 522-7.						
Species Reactivity		Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Buffer				e membrane with diluted primary antibody in 5% w/v nonfat C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin)						
Cross-Reactivity Key		M: Mouse						
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